Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/20/2022 08:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123882	-1	1.48	123784	1.50
Blue	F	SSC	125000	122904	-2	2.72	123394	2.60
Blue	E	FITC	13602	13065	-4	2.29	366	14.01
Blue	D	PE	24891	24632	-2	1.73	585	10.59
Blue	B	PerCP-Cy5-5	33972	33132	-3	3.09	946	15.35
Blue	A	PE-Cy7	22865	22771	-1	4.94	474	30.64
Red	C	APC	47198	46931	-1	2.64	1623	11.32
Red	A	APC-Cy7	26454	25640	-4	3.02	724	12.19
Violet	B	V450	6737	6547	-3	3.79	456	11.69
Violet	A	V500	29317	28343	-4	3.29	971	8.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23863	2.74	564	29	N/A	N/A	Pass
Blue	F	SSC	55292	2.07	521	0	N/A	N/A	Pass
Blue	E	FITC	54	58.52	488	4	0.0415	222	Pass
Blue	D	PE	113	39.41	492	6	0.3974	316	Pass
Blue	B	PerCP-Cy5-5	149	42.77	585	6	0.0187	83	Pass
Blue	A	PE-Cy7	79	83.56	629	8	0.0227	14	Pass
Red	C	APC	340	25.95	575	3	0.0295	235	Pass
Red	A	APC-Cy7	134	34.73	552	1	0.0065	1380	Pass
Violet	B	V450	79	50.15	445	-5	0.0659	3439	Pass
Violet	A	V500	115	34.44	464	-5	0.0261	1551	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.71	-31.56	1.16
Blue	20.37	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.76	13.90 - 20.86	N/A	N/A	29.92	30.15	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 10423

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments